

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Original): A mineralizer used for a process for obtaining bulk mono-crystalline gallium-containing nitride in a supercritical ammonia-containing solvent which provides:

- (a) ions of another Group I element (IUPAC 1989), or
- (b) ions of Group II element (IUPAC 1989), preferably calcium or magnesium, or
- (c) one or more substances containing oxygen-free species causing a weakening of the ammono-basic nature of the supercritical solvent, or else
- (d) ions of Group II element (IUPAC 1989), preferably calcium or magnesium and one or more substances containing oxygen-free species causing a weakening of the ammono-basic nature of the supercritical solvent

in a supercritical ammonia-containing solvent for dissolution of the gallium-containing feedstock.

2. (Original): A mineralizer according to claim 1. which is able to provide the gallium containing nitride with a negative temperature coefficient of solubility in the supercritical ammonia-containing solvent .

3. (Currently amended): A mineralizer according to claim 1 [[or 2]], which comprises sodium and another Group I element (IUPAC 1989) and the molar ratio of ions of sodium to ions of other Group I element (IUPAC 1989) is from 1:10 to 10:1.

4. (Currently amended): A mineralizer according to claim 1 [[or 2]], which comprises ions of Group I element (IUPAC 1989) and ions of Group II element (IUPAC 1989) and the molar ratio of Group II element (IUPAC 1989) to the Group I element (IUPAC 1989), ranges from 1: 500 to 1:5, more preferably from 1:100 to 1:20.

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5. (Currently amended): A mineralizer according to claim 1 [[or 2]], wherein said oxygen-free species contain sulfur.

6. (Currently amended): A mineralizer according to ~~any one of the preceding claims 1 to 5~~ claim 1, which comprises said Group I elements selected from the group consisting of sodium, potassium and lithium.

7. (Currently amended): A mineralizer according to ~~any one of the preceding claims 1 to 6~~ claim 1, wherein said Group I elements are in the form of azides.

8. (Currently amended): A mineralizer according to ~~any one of the preceding claims 1 to 7~~ claim 1, which further comprises acidic mineralizer containing sulfur or halogen.

9. (Original): A mineralizer according to claim 8, wherein said mineralizer is selected from the group consisting of sulphides such as $(\text{NH}_4)_2\text{S}$, $(\text{NH}_4)\text{HS}$ and $(\text{NH}_4)_2\text{S}_5$